

ABSTRACT OF THE DISCLOSURE

A power circuit in a battery powered portable communication terminal, having a battery and a transmission power amplifier for TDMA (Time Division Multiple Access) or TDD (Time Division Duplex) signals includes a power accumulator, a battery output current limiter, and a control circuit to control the current limiter and to connect the power accumulator to the battery and to the transmission power amplifier depending on whether the transmission power amplifier is transmitting a signal burst. The control circuit controls the battery to charge the power accumulator during a non-burst period. During burst periods, when the transmission power amplifier requires higher power, the control circuit connects the power accumulator to the transmission power amplifier, to supplement the current-limited current provided by the battery and provide a total current to the power amplifier that is higher than the battery output current.